

FIG. 5A

HU KVEQAVETEPEPELROQTEWQSGQRWELALGRFWDYLRWVQTLSEQVQEE 50
Ba P P DV A P
CynM P P T A G P
Rt ----- G L VTD LPG D P Q N D
Mo ----- G VTD L N P Q N D
GP -----DV V V EPAV P S D
Rb ----- Q V VPE AR KA P S D
Cow DM GELGP - LTT PRGKDS P Q D
Dog* Q EL P -----AG T P A A D G
SeaL EL E P -----AG A P A D

HU LLSSQVTQELRALMDETMKELKAYKSELEEQLTPVAEETRARLSKELQAA 100
Ba P TT S
CynM P TT S
Rt Q TV ED T V K G A V T
Mo Q T ED T V K G G V
GP N TL IED V D A KE G D K A
Rb TM E V S M Q V
Cow NT I T E V E G G M Q Q V
Dog V NT T V A D G MTS Q VA
SeaL V N TT E I RA G M S Q VA

HU QARLGADMEDVRGRVLVQYRGEVQAMLGQSTEELRVRLASHLRKLRKLLR 150
Ba S S A
CynM S S A
Rt L N G N NT S ST M M
Mo L N G N HT A ST M M
GP E N S S S A T P M Q
Rb E CN A A A FS
Cow S LC A S A M P
Dog R N T L S A F M V
SeaL RS T S A F M V

HU DADDLQKRLAVYQAGAREGAERGLSAIRERLGPLVEQGRVRAATVGSLAG 200
Ba V S
CynM V S
Rt K Q V Q T NL AG A
Mo E K V Q T NL AG A
GP I E M K Q V S I LQ ----- TS
Rb E M G V L L ST
Cow K S S F QS LST
Dog E R K V SV S W L A E N K A T
SeaL E R V SV T W L A T H K DA T

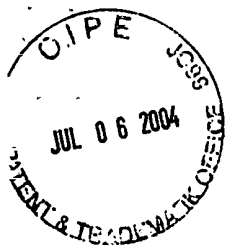


FIG. 5B

HU	QPLQERAQAWGERLRARMEEMGSRTDRDLDEVKEQVAEVRAKLEEQAQQI 250																			
Ba	L																			
CynM	L																			
Rt	RD	LSD I G L V NQA			E R ME		S M		T											
Mo	RD	F D I G L V NQA			E R HME		S M		T											
GP				QM G L KV QA			E R ME		V V		---									
Rb	R				GHL V A			E R E		V V		A M								
Cow	L	E	RQK	HG L	V V AQ		KIRQ		LE	H	V	GN M								
Dog	L	D	QQ	GQL	S A GH		E MR	IQ	V M		D									
SeaL	R	VN	L QQ	G L	V A SH		R ME		Q M	N M										
HU	RLQAEAFQARLKSWFEPLVEDMQRQWAGLVEKVQAAVGTSAAPVPSDNH 299																			
Ba	S																			
CynM	S																			
Rt			I	I G				N M I		S A NSIASTTVPLENQ										
Mo			I	G		I H		N M I		S A NPIIT VAQ-ENQ										
GP	----G				MM		R	N IQ		V A TS-A QEP										
Rb									L		MPSK PAAAPIENQ									
Cow					R						L LRP PTSP E									
Dog	QK				L		D				A IPTSKPVEEP									
SeaL	Q				G		V				PTTP VETK									